

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

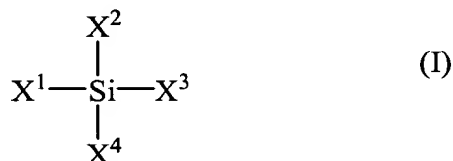
1-43 (Cancelled)

44 (Previously Presented): A method comprising:

applying to a surface selected from the group consisting of teeth, gums, a dental material fitted within the mouth, and an oral mucous membrane, a composition that comprises:

- (a) a photocatalytic titanium oxide or a photocatalytic titanium oxide precursor;
- (b) at least one compound selected from the group consisting of:

a silicon compound having the following formula (I):



wherein X^1 , X^2 , X^3 and X^4 each independently represent an alkoxy group or a halogen atom,

a hydrolyzate of said silicon compound (I),
a silicone resin,
silicone resin precursor,
and silica; and

- (c) a liquid medium;

wherein a ratio of (a) to (b) ranges from 20/1 to 1/100 in terms of moles of titanium atoms in (a)/moles of silicon atoms in (b);

drying said applied composition to form a photocatalytic titanium oxide containing film on said surface; and
exposing said film to light.

45 (Previously Presented): The method of Claim 44, comprising applying said

composition into the mouth of a subject having a dental or oral disease or onto a dental material fitted within the mouth of said subject.

46 (Previously Presented): The method of Claim 44, comprising applying said composition into the mouth of a subject having halitosis or onto a dental material fitted within the mouth of said subject.

47 (Previously Presented): The method of Claim 44, comprising applying said composition into the mouth of a subject having discolored teeth or onto a dental material fitted within the mouth of said subject.

48 (Previously Presented): The method of Claim 44, comprising applying said composition into the mouth of a subject having a dental or oral disease or onto a dental material fitted within the mouth of said subject.

49 (Previously Presented): The method of Claim 44, which is a method for bleaching discolored teeth.

50 (Previously Presented): The method of Claim 44, wherein said composition is applied to a dental material, which is fitted within the mouth.